

1. The first part of the document is a list of the names of the

members of the committee who have been appointed to study the
problem of the...
The second part of the document is a list of the names of the
members of the committee who have been appointed to study the
problem of the...
The third part of the document is a list of the names of the
members of the committee who have been appointed to study the
problem of the...

PETROSYAN, N.A.

Effect of vertical downward currents on the transformation of
the wind field. Dokl. AN Arm. SSR 3' no.4:203-210 '63.

(MIRA 17:8)

1. Institut vodnykh problem AN ArmSSR. Predstavleno akademikom
AN Armyanskoy SSR A.L. Shaginyanov.

SERGEYEVA, N.D., Inzh.; SEMYAKOV, B.A., Inzh.; KRYUKOV, E.I., kand.
tekh. nauk; KTRSYAN, .A., kand. tekhn. nauk

Contamination factor and use of the convective heating surfaces
of boilers with led shot cleaning, operating on high-sulfur
mazut. Teploenergetika 19 no.1982-11 '82 (M 82 117)

1. Vsesoyuznyy tepl. tekhnicheskyy institut.

ACCESSION NR: AT4030528

S/0000/63/000/000/0005/0071

AUTHOR: Bugayeva, I. V.; Burkova, M. V.; Dzhordzhio, V. A.; Dzhurayev, A. D.;
Nashkin, A. I.; Ovcharenko, V. P.; Petrosyants, M. A.; Romanov, N. N.; Sam, Z. S.

TITLE: On the upper cloud boundary along Tashkent-Moscow route according to observations from TU-104 passenger aircraft

SOURCE: Nauchnaya konferentsiya po aviatsionnoy meteorologii. Moscow, 1960.
Materialy*. Moscow, Gidrometeoizdat, 1963, 65-71

TOPIC TAGS: TU-104 aircraft, cloud boundary, flight condition, troposphere, stratosphere, jet stream

Given at the Nauchnaya konferentsiya po voprosam aviatsionnoy meteorologii (scientific conference on problems of aviation meteorology) that was held in June and July of 1960 in Moscow at the Glavnoye upravleniye gidrometeorologicheskoy sluzhby* USSR. In this paper the authors present some visual weather observations made from aircraft and the results of their processing. Reports from TU-104 crew along the Tashkent-Moscow route, made during the period of 16 Sep 58 through 31 Dec 59, and airborne observations of a group of Tashkent meteorologists, made in two periods of 1958 and 1959.

ACCESSION NR: AT4030528

(Oct-Dec 59 and Mar-Apr 60) in TU-104 aircraft along the same route, served as the raw data. Results of these observations are given in graphs. 248 research flights made in the warm half of the year, have shown a principle difference between the frontal stratocumulus clouds and the same clouds in extrafrontal zones, located in the central, western, and northwestern regions of deep seated, well developed cyclones. This difference is shown. Frontal stratocumulus clouds have an upper boundary of 2 to 3 times greater than stratocumulus clouds in central, western and especially northwestern sections of deep seated, well developed cyclones. In these portions of the cyclones the ascending currents are caused by friction convergence which in any stage of the cyclone do not extend high enough and even at levels of from 2 to 4 km alternate with intense descending movements. Orig. art. has 2 figures.

ASSOCIATION: none

SUBMITTED: 18Feb63

DATE ACQ: 17Apr64

ENCL: 00

SUB CODE: AS

NO REF SOV: 000

OTHER: 000

Card 2/2

PETROSIAN, Azniv Petrosovna; KRASIL'NIKOV, N.A., prof., red.;
MUSHEGYAN, E., tekhn.red.

[Ecological characteristics of the nodule bacteria in the
Armenian S.S.R.] Ekologicheskie osobennosti kluben'kovykh
bakterii Armianskoi SSR. Pod red. N.A.Krasil'nikova. Erevan,
Izd-vo M-va sel'.khoz.Armianskoi SSR, 1959. 280 p.
(MIRA 13:11)

1. Chlen-korrespondent AN SSSR (for Krasil'nikov).
(Armenia--Micro-organisms, Nitrogen-fixing)

GUSEV, V.M. [deceased]; GUSEVA, A.A.; PETROSYAN, E.A.; EYGELIS, Yu.K.

Role of birds in the transmission of ticks and fleas based on materials from the Azerbaijan S.S.R. Zool. zhurn. 41 no. 6: 905-912 Je '62. (MIRA 1967)

1. Research Anti-Plague Institute of the Caucasus and Trans-Caucasia (Stavropol Kavkazsky) and Azerbaijan Anti-Plague Station, Baku.

(Azerbaijan—Ticks) (Azerbaijan—Fleas)
(Birds as carriers of disease)

USSR/Soil Science - Soil Biology.

J

Abs Jour : Ref Zhur Biol., No 19, 1958, 86/91

Author : Petrosyan, A.P., Navasardyan, A.G.

Inst : AS Armenian SSR

Title : Effect of Development Phase and Age of Leguminous Plants
on the Activity of Nodule-forming Bacteria. (First Report)

Orig Pub : Izv. AN ArmSSR, biol. i s.-kh. n., 1956, 9, No 11, 45-50

Abstract : The nodule-forming bacteria isolated from the roots of
lucerne in the period of budding and flowering (field ex-
periments in brown irrigated cultured soil with pH 7.6)
possessed the greatest activity. In comparison with the
control crop, the crop gain amounted to 31 to 55% in all
harvests. Strains isolated in the autumn and winter months,
and also in the initial phases of plant growth, not only
did not raise but diminished the crop by 5 to 35%. The

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SHAKHSUVAROV, T.S.; PETROSYAN, A.T.

Origin of the producing layer in Azerbaijan. Dokl. AN Azerb.
SSR 17 no. 3:219-222 '61. (MEPA 14:5.

1. Azerbaydzhanskiy gosudarstvennyy universitet. Predstavleno
akademikom AN Azerbaydzhanskoy SSR Sh.F. Mekhtiyevym.
(Azerbaijan—Petroleum—Geology)

PETROSYAN, A.V.

Some aspects of the interference-free operation of functions
of algebra of logic. Dokl. AN Arm. 36 no.3:147-151 '63.
(MIRA 16:10)

1. Yerevanskiy gosudarstvennyy universitet. Predstavleno
akademikom AN Armyanskoy SSR S.N. Mergelyanom.

PETROSYAN, A.V.

Logical productivity and efficiency of universal digital computers.
Trudy Vych. tsentra no.1,54-60-1977.

Optimum relationship between the volumes of various types of
operational memory systems. (MIRA) 1977

PETROSYAN, A.V.; MATSAKANYAN, B.S.; BOZUYAN, Sh.Ye.

Some properties of Hemming's code. Dokl. AN Arm. SSR 37 no.1:
3-6 '63. (MIRA 16:11)

1. Predstavleno akademikom AN Armyanskoy SSR S.N. Mergelyanom.

PETROSYAN, P. A.

Apparatus for manufacture of chloride of lime. K. T. Khachatryan, B. A. Petrosyan, and A. A. Abramyan. U.S.S.R. 104,109 Pat. 20, 1956. The app. is a cylindrical drum having a stationary internal axis. It rotates on 2 hollow shafts through one of which Cl is fed. At one end of the drum, slaked lime is supplied through a screw conveyor and at the other end, the product is discharged by another screw conveyor. Flexible scrapers mounted on the stationary axis keep the walls clean. M. Hosen

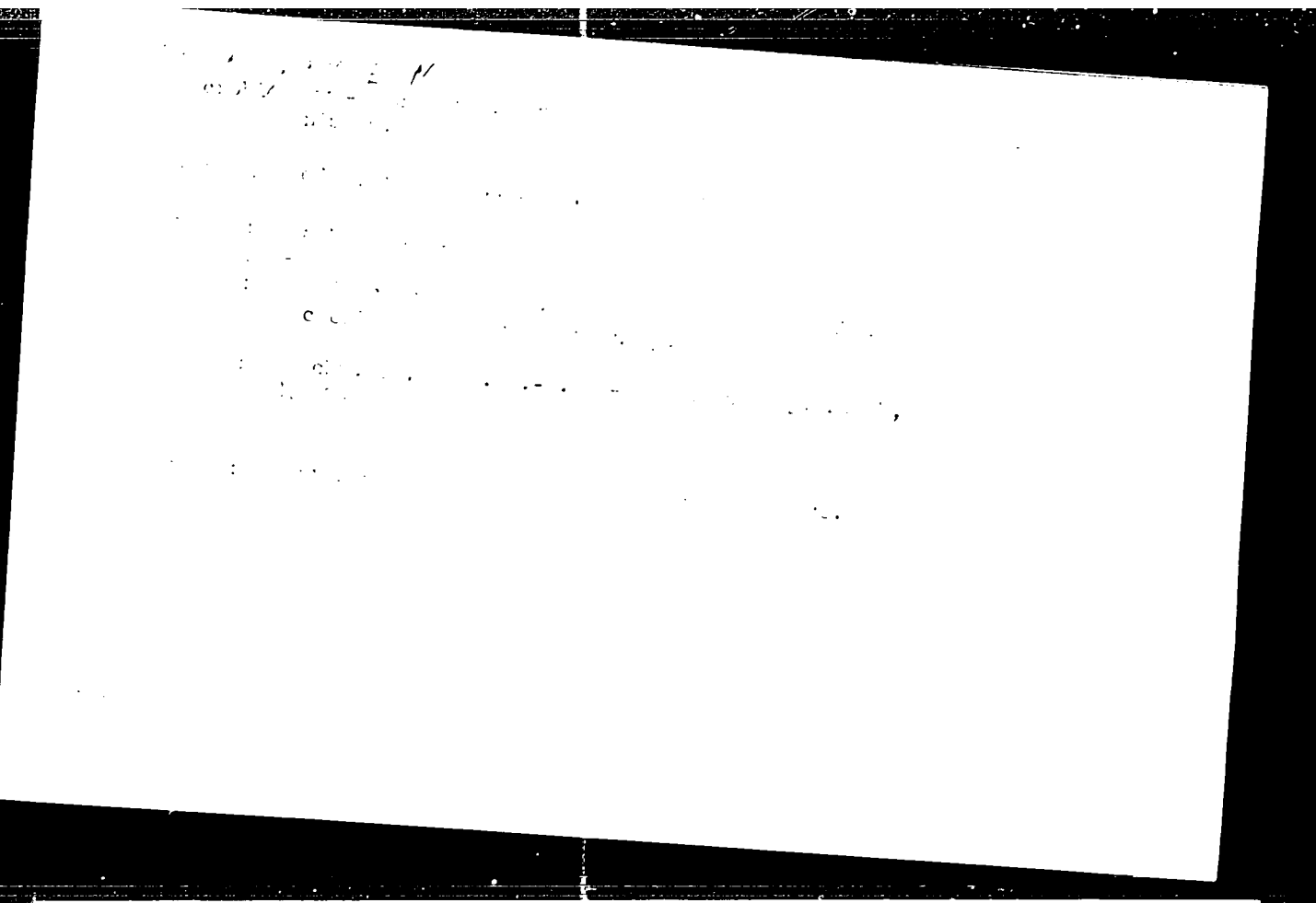
RM, mk

PETROSYAN B. A.

Chemical composition and structure of the antigenic
complex of cholera toxin obtained by different methods.
 Petrovskiy, K. D., Merzlikina, and A. A. Belyukh. Nauka,
 1967, Moscow. 112 p., 11 illustrations. (Ser. Vsesoyuznaya
 1967, Akad. No. 18496). — The antigenic complex of cholera
 toxin consists of polysaccharides, lipides, and proteins.
 The complex splits easily on alk. hydrolysis and enzymic de-
 gradation, affecting mostly the polysaccharide component and
 destroying the specific properties of this component.
 D. G. Levin.

yes
yes

11



PETROSYAN, E.V.

Characteristics of the geology and composition of ores in
an uranium-titanium deposit. Sov.geol. 4 no.11:64-72 N '61.
(MIRA 14:11)

1. Ministerstvo geologii i okhrany nedr SSSR.
(Uranium ores) (Titanium ores)

ACCESSION NR: AP4015293

S/0280/64/000/001/0065/0072

AUTHOR: Petrosyan, A. V. (Yerevan); Mnatsakanyan, B. S. (Yerevan)

TITLE: Automatic check of the functioning of a digital computer

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 1, 1964, 65-72

TOPIC TAGS: computer, digital computer, computer automatic check, computer automatic check theory, residue type computer check

ABSTRACT: General principles are considered of a check device that verifies the functioning of an information-processing device. The probability of detecting a malfunction is given by $P \approx \frac{n(l-1)}{l(n-1)}$, where n and l are the numbers of states of the information-processing and check automata, respectively. In computers, any register or unit can be regarded as the above automaton. A study of various automata intended for checking the work of arithmetic-operation units has shown that all such automata are based on residue-type checking. General formulas describing the arithmetic, logical, shift-operation, etc., characteristics of check codes are submitted. Two methods of designing the check unit are mentioned:

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ACCESSION NR: AP4015293

(1) A special adder sums up (or subtracts) all digits of the number according to this formula: $A \equiv \sum_{i=0}^{n-1} (\pm 1)^i a_i \equiv a_{p \mp 1} \pmod{p \mp 1}$, and the result is compared with the check code; this method is intended for serial computers. (2) A logical scheme is constructed for comparing two numbers of specified moduli; such schemes are expedient for small moduli (2, 3, 5, 7), but starting from 15 the amount of equipment becomes excessive. The general idea of the automatic check as recommended by the author is this: A standard scheme $\Sigma_{p \pm 1}$ of addition or subtraction with a $p \pm 1$ modulus for two p-ary digits is set up; a first tier of standard Σ - schemes replaces the number being checked by a new number with one-half as many digits; the technique is repeated until a one-digit p-ary number is obtained which should coincide with the check number. Orig. art. has: 33 formulas and 1 table.

ASSOCIATION: none

SUBMITTED: 08Dec62

DATE ACQ: 12Mar64

ENCL: 00

SUB CODE: CP

NO REF SOV: 002

OTHER: 001

Card 2/2

... .. Kline,

... ..

S/126/63/015/003/002/025
E021/E135

AUTHORS: Permyakov, V.G., Belotskiy, A.V., and Petrosyan, F.G.

TITLE: High-temperature X-ray diffraction study of the intermediate transformation of austenite in carbon steels

PERIODICAL: Fizika metallov i metallovedeniye, v.15, no.3, 1963, 334-338

TEXT: The X-ray investigations of the intermediate transformation of austenite which have been reported in the literature were carried out on steels with alloying elements stabilizing austenite. The technique used in the present investigation gives rapid supercooling of austenite in the X-ray camera and allows the isothermal transformation to be studied directly at the transformation temperatures. Because of this, carbon and low-alloy steels can be used. The present work shows that in the type Y7A (U7A) and Y12A (U12A) steels studied, enrichment of austenite with carbon proceeds at all temperatures in the intermediate range because of diffusion, the extent and rate of enrichment increasing with decreasing carbon content in

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High-temperature X-ray diffraction ... S/126/63/015/003/002/025
E021/E135

the initial austenite. The lattice spacing in type U7A steel at high intermediate-transformation temperatures increases more than in type U12A. The observed small increase in the spacing for steel U12A at comparatively high intermediate-transformation temperatures is apparently due to the more intensive precipitation of carbide phase through the increase in carbon content and acceleration of its diffusional redistributions. During transformation concentration inhomogeneity increases; this effect is also being observed in the incubation period. There are 6 figures and 1 table.

ASSOCIATION: Kiyevskiy politekhnicheskii institut
(Kiev Polytechnical Institute)

SUBMITTED: June 5, 1962

Card 2/2

PERMYAKOV, V.G.; BELOTSKIY, A.V.; PETROSYAN, F.G.

High temperature X-ray study of intermediate transformations
of austenite in carbon steel. Fiz.met.1 metalloved. 15 no.3;
334-338 Mr '63. (MIRA 16:4)

1. Kiyevskiy politekhnichesk'iy institut.
(Steel--Metallography)

Abstract: The authors study the transformation of austenite in carbon steel.

BELOTSKIY, A.V. (Kiyev); PERMYAKOV, V.G. (Kiyev); PETROSYAN, F.G. (Kiyev)

High-temperature X-ray examination of the intermediate
transformation of austenite in an iron-nickel-carbon alloy.

Izv. AN SSSR. Met. i gor. delo no.5:126-128 S-O '63.

(MIRA 16:11)

PETROSYAN, F. G.

USSR.

Application of new preparations against phylloxera.
F. G. Petrosyan. *Vinodelic i Vinogradarstvo S.S.S.R.* 12,
No. 8, 39-41 (1952). Dichloroethane (I), hexachloro-
ethane, BHC, and dichlorides (II) (wastes from the indus-
trial production of synthetic rubber) were used in several
expts. in vineyards against phylloxera. Only I and II were
found to be highly effective. The best time to use the
insecticides is autumn; I can be also effectively used in
spring, and II in summer. In each case 100 g./sq. m. of
either I or II, added to the soil, 10-15 cm. deep, killed 9-
100% of the insects. Even at the relatively low temps. of
11-12.7° the insecticides had fumigant action against
phylloxera. E. Wierbicki

PETROSYAN, F.G.; MARUTYAN, S.N.

Damage done by the grape leaf-roller to the basic grape varieties
of the Armenian S.S.R. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki. 2 no.5:
455-459 '49. (MLBA 9:8)

1. Institut vinogradarstva i vinodeliya Akademii nauk Armyanskoy
SSR.

(ARMENIA--GRAPES--DISEASES AND PESTS)

PETROSYAN, F. G.

USSR/General and Special Zoology. Insects. Injurious Insects and Ticks. Pests of Fruit and Berry Crops.

Abs Jour : Rol Zhur - 31 1., No 11, 1958, No 4637

Author : Petrosyan F.G., Murtyan G.I.

Inst : 2-7

Title : New Preparations Against the Grape Spider mite

Orig Pub : Vinodeliya i vinogradarstvo SSSR, 1957, No 4, 44-46

Abstract : In 1954-1955, in the testing of sulfur and phosphorus acid insecticides spraying with Cyrophen (0.05%) at 1-day intervals three-four times showed high effectiveness. In 1956, Cyrophen and beta-thyl (0.05%) were found effective. In 1956, under field conditions 91-97% of the mites perished after the spraying with beta-thyl (0.05%) and 91-96% perished after the spraying. When the first leaves appeared (at

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PETROSYAN, F. G.

Phylloxera

Testing new preparations for controlling phylloxera. Vin. SSSR 12 no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

2

PETROSYAN, F. G.

Insecticides

Testing new preparations for controlling phylloxera. Vin. SSSR 12, n . 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952, Unclassified.

2

PETROSYAN, F. A.

A survey of grapevine pests in the southeastern and northeastern districts of the Armenian S.S.R. Izv. AN Arm. SSR. Biol. i sel'khoz. nauki 6 no. 9:89-96 '53. (MLA 9:8)

1. Institut vinodeliya i vinogradarstva Ministerstva pishchevoy promyshlennosti Armyanskoy SSR.
(Armenia--Grapes--Diseases and pests)

PETROSYAN, F.G.; MARUTYAN, S.N.

Ecology of the grapevine spider mite (Schizotetranychus (Tetranychus) viticola) in the northeastern regions of Armenia. Izv.AN Arm.SSR.Biol.i sel'khov.nauki. 5 no.9:61-67 '52. (MLBA 9:8)

1. Institut vinodeliya i vinogradarstva Ministerstva pishchevoy promyshlennosti Armyanskoy SSR.

(Armenia--Red spider) (Grapes--Diseases and pests)

L 24765-66 EWT(1)/EWT(m)/EWA(d)/T/EWP(t) IJP(c) JD/LHB
ACC NR: AP6015529 SOURCE CODE: UR/0370/65/000/001/0104/0107

AUTHOR: Belotskiy, A. V. (Kiev); Permyakov, V. G. (Kiev); Petrosyan, F. G. (Kiev);
Pat'kov, V. V. (Kiev)

ORG: none

TITLE: Martensitic character of the intermediate transformation of austenite

SOURCE: AN SSSR. Izvestiya. Metally, no. 1, 1965, 104-107

TOPIC TAGS: austenite, x ray diffraction, austenite transformation, isothermal transformation, steel/40N5 steel, 37KhN3A steel

ABSTRACT: This paper is a continuation of the author's investigation of the mechanisms and kinetics of the decomposition of supercooled austenite using rapid high-temperature x-ray diffraction. Below are set forth new experimental data on the state of the initial and formed phases which confirm the martensitic character of the intermediate transformation of supercooled austenite.

Used in the investigation were steel 40N5 (synthetic steel based on Armco iron) containing 0.41% C and 5.09% Ni, and steel 37KhN3A (0.38% C, 3.09% Ni, 1.35% Cr, 0.19% Si, 0.31% Mn). Austenization of the specimens was done by heating at an average rate of about 200 deg/sec up to 1000-1050°C (for

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UDC: 669.017.3: 621.78

L 24765-66

ACC NR: AP6015529

steel 40N5) and 1100°C (for steel 37KhN3A) which provided the complete dissolving of the carbide phase in the austenite. The supercooled specimens was x-rayed at different periods of the isothermal transformation.

The initial transformation period at 300 and 340°C is characterized by the practically unchanged lattice period of the gamma-phase. Then the line widths of the gamma- and alpha-phases are changed insignificantly. Apparently, in this period the effects of carbon-enrichment of the austenite and the carbon precipitation from austenite (carbide phase formation) overlap and the lattice period of the untransformed part of the austenite is unchanged. An increase in the holding time for all transformation temperatures investigated causes a sharp reduction in the lattice period of the austenite and a reduction of the line widths of the transformation product of the austenite-alpha-phase.

These experimental data clearly characterize the successive stages of the development of the intermediate transformation of austenite. Thus, for example, the increased line widths of the gamma-phase in relation to the isothermal holding time is associated with the increased concentration inhomogeneity caused by diffusive carbon redistribution. This decomposition stage is characterized by the intense carbide formation because of the depletion of carbon-enriched portions of the austenite, as a result of which the lattice period of the austenite is reduced very sharply.

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ACC NR: AP6015529

Very interesting data were obtained in the analysis of the width of the interference lines (211) of the alpha-phase. The transformed alpha-phase is characterized by different values of line widths in the initial and final stages of the process which occurs under isothermal conditions. The line widths differ substantially also in the case where the alpha-phase formation occurs at another, either higher or lower, temperature.

The line width value for annealed alpha-phase of steel 40N5 was determined in the intermediate temperature region. It was equal to 1.9 mm. The regularities of the intermediate austenite transformation in steel 37KhN3A were studied at 300, 340, 380, 420 and 460°C. At 300, 340, and 380°C austenite decomposition generally proceeds according to those same regularities as in steel 40N5. With an increase in the isothermal holding temperature from 420 to 480°C, homogeneous austenite gradually becomes inhomogeneous. The data on the sharp increase of the lattice period of carbon-enriched austenite, to a known degree, aid in understanding and explaining the causes for the increased stability of supercooled austenite in the upper part of the intermediate region. The line width of the alpha-phase emerging during austenite decomposition in steel 37KhN3A considerably exceeds the line width of the alpha-phase of annealed steel. If the line width, measured on annealed specimens in the temperature range of the intermediate transformation amounted to 2.0 mm, then the line width of the alpha-phase, emerging under the isothermal decomposition of austenite at 300°C at the beginning of the holding was 4.1 mm and at the finish, i.e., after 30 minutes, was 3.3

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ACC NR: A6015529

mm. At 420°C, the initial line width is equal to 3.2 mm, but after a one-hour hold is reduced to 2.7 mm.

Thus, the experimental data, obtained directly by rapid high-temperature x-ray diffraction at transformation temperatures, bear out the fact that the intermediate austenite transformation occurs according to a martensitic mechanism. Orig. art. has: 4 figures. [JPRS]

SUB CODE: 11, 20 / SUBM DATE: 16Dec63 / ORIG REF: 002

Card 4/4 *UUP*

PETROSYAN, G.

Provide the nonmetallic minerals industry with industrial
automotive transportation. Prom.Arm. 5 no.4:21-22 Apr '62.
(MIRA 15:5)

1. Upravleniye promyshlennosti stroitel'nykh materialov
Soveta narodnogo khozyaystva Armyanskoy SSR.
(Armenia--Mineral industries--Transportation)

PETROSYAN, G. I.

Arifmetika V. Voprasheniyam Filozofiya. Izv. Arm. Fil. An. (1935).

Uchebnik Arifmetiki Ananiya Shiraatsi I Yego Znacheniya dlya Istorii Arifmetiki
Izv. Arm. Fil. An. (1935).

Armenyanskiy Drevniy Perovod Yevk lida I Yego Znacheniya dlya Istorii Istoriya.
Izv. Arm. Fil. An. (1936).

Priozhitel'n ye Chisla Ova lisa Sarkavan. Izv. Arm. Fil. An. (1937).

See: Mathematics in the USSR, 1947-1948
edited by Kurosh, A. I.,
Karapshевич, A. I.,
Kashevskiy, P. P.
Moscow-Leningrad, 1947.

PETROSYAN, G., sekretar'.

Party leadership is a guaranty of success . Voenn. 29 no.9:6 S '53.
(MLR 5:12)

1. Kirovskiy rayonnyy komitet Kommunisticheskoy Partii armeni goroda
Yerevana. (Erevan--Military education) (Military education--Erevan)

SECRET
F

1. Introduction

Article 1. The purpose of this document is to provide

information on the activities of the organization in 1981.

2. The organization is a non-profit organization.
It is a 501(c)(3) organization.

P-5749

Call Nr: AF 1108825

Transactions of the Third All-union Mathematical Congress (Cont.) Moscow,
Jun-Jul '56, Trudy '56. V. 1, Sect. Rpts., Izdatel'stv. AN SSSR, Moscow, 1956, 20 pp.
Petrosyan, G. B. (Yerevan). The Mathematical Works of
Nikolay Artavazd. 232-233

Mention is made of Shirokatsi, Anania and Artavazd, Levon.

Rayk, A. Ye. (Saransk). Recent Reconstructions of Certain
Problems From Ancient Egyptian and Babylonian Texts. 233-234

Rozenfel'd, B. A. (Moscow). The History of Lobachevskiy's
Geometry Interpretations. 234

Mention is made of Kotel'nikov.

Rossinskiy, S. D. (Moscow). K. M. Peterson, Creator of
the Moscow School of Differential Geometry.

There are 2 references, both of them USSR. 234-235

Rybkin, G. F. (Moscow). New Biographical Materials on
N. I. Lobachevskiy. 235
Card 79/80

PETROSYAN, G.B.; ROZENFEL'D, B.A.

Aganis' proof of the fifth postulate of Euclid. Izv.AN Arm.SSR.
Ser.fiz.-mat.nauk 13 no.1:153-164 '60. (MIRA 13:8)

1. Komissiya po istorii yestestvoznaniya i tekhniki AN Armyanskoy
SSR i 1 Kolomenskiy pedagogicheskiy institut.
(Parallels(Geometry))
(Abu'f Abbas Al-Fadhl Ibn Hatim al-Marizi)

PETROSYAN, G.B.

Life and work of Janos Bolyai (on the centennial of his death).
Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 13 no. 4:69-78 '60.

(MIRA 13:9)

(Bolyai, Janos, 1802-1860)

PETROCIAN, G.B.

... expression of the history of national ...
... Soviet Union. Izvestiia. 1955 ...

PETROSYAN, G.B.

Life and work of G.B. Petrosyan, outstanding scientist and mathematician
of the 20th century. 17 pt. cat. 1 texh. 1:7-20 1/20.
(MIA 1/20)

PETROSYAN, G.B.; AND AABYAN, A.G.

[Euclidean Geometry] [Geometriya Evklida]. Izdat' matematicheskoy literatury i tekhniki. Erevan. Izd-vo Ak. Arm. SSR, 1967. 288 p. (MLA 16:12)

1. Akademiya nauk Armjenskoj SSR, Eriuan. Izdat' po matematike i tekhnike. (Geometry)

PETROSYAN, G. B.

Provide for cathodic protection in plans for underground gas pipelines. Stroil. truboprov. 8 no.4:36 Ap '63.
(MIRA 16:4)

1. Gazotekhnicheskoy inspektor Glavnoy gorno-tekhnicheskoy inspeksii Armyanskoy SSR, Yerevan.

(Gas, Natural—Pipelines)

AVAKYAN, N.; PETROSYAN, G.

Organization of mass production of articles made of basalt rock.
Prom.Arm. 5 no.3:27 Mr '62. (MIRA 15:4)

1. Nauchno-issledovatel'skiy institut kamnya i silikatov (for
Avakyan). 2. Upravleniye promstroymaterialov Sovnarkhoza
Armyanskoy SSR (for Petrosyan).
(Armenia--Basalt) (Building materials)

PETROSYAN, G.B.

Organization of electric equipment repair operations. From. energ.
15 no.11:56 H '60. (MIRA 11:56)

1. Zangezurskoye rudoupravleniye.

(Electric apparatus and appliances--Maintenance and repair)

PETROSYAN, G.G.

Methods for measuring losses in precision-type matching transformers.
Trudy inst. Kom. stand., mer i izm. prib. no.65:68-76 '62.

(MiRA 16:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut fiziko-tekhnicheskikh
i radiotekhnicheskikh izmereniy.

(Electric transformers) (Microwave measurements)

S/194/61/000/009/048/053
D271/D302

AUTHOR: Petrosyan, G.G.

TITLE: Co-axial duplexer for the frequency range of 1000 - 3000 mc/s

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 9, 1961, 63, abstract 9 I367 (Tr. in-tov kom-ta standartov, mer i izmerit. priborov pri Sov. Min. SSSR, 1960, no. 48 (108). 93-95)

TEXT: The construction of a co-axial duplexer for the frequency range of 1 - 4 Gc/s is described. In the entire frequency range the VSWR of the duplexer is ≤ 1.2 . At higher frequencies the VSWR sharply rises. Main technical characteristics are: Repeatability after multiple switching no worse than 0.02 db; screening between channels ≥ 20 db; insertion losses ≤ 0.2 db and they are equal for both channels with an accuracy of ± 0.05 db. [Abstracter's note: Complete translation]

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PETROSYAN, G.G.

Coaxial switch for a frequency band of 1,000 to 3,000 mc. Trudy
inst. Kom. stand., mer i izm. prib. no.48:93-95 '60.

(MIRA 14:6)

(Microwaves--Equipment and supplies)

(Microwave measurements)

PETROSYAN, G.P.

Significance of alfalfa in the utilization of saline soils.
Izv. AN /-m. SSR. Biol. i sel'khoz. nauki 9 no.12:22-29 D '56.
(MLRA 10:2)

1. Argyanskii sel'skokhozyaystvennyy institut.
(Oktembryan District--Solonchak soils)
(Alfalfa)

USSR / Cultivated Plants. Fruits, Berries, Nutbearing, H-6
Teas.

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6390

Author : Petrosyan, G. P.

Inst : Acad. of Science Arm SSR

Titl : The Growth of Roots of Some Fruits on Salty
Soils

Orig Pub : Izv. AN ArmSSR, Biol. i s.-kh. n., 1957, 10,
No 11, 79-91

Abstract : Experiments on the study of salt resistance in
the Araxes valley region were carried out on
plots which had sodium sulfate-carbonate-
chloride salting. Ground water was lightly
salted (224 g/l), the surface of the water was
at a depth of 2.0 - 2.25 m in the winter, and 1.3
- 1.4 m in summer. The planting was effected

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USSR / Cultivated Plants. Fruits, Berries, Nutbearing, X-6
Teas.

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6390

In pits of 60 x 60 cm filled with soil which was free of salt. Most of grafted sets of apple trees perished when the soil contained 0.25% - 0.357% of easily soluble salts; the seedlings were more resistant. Pear trees grew better under these conditions. Quince grew well on soil containing 0.675 - 0.725% of the salts. The roots of quince penetrated deeper than the bottom of the pit. Pomegranate is also adequately resistant but oleaster is the most salt resistant plant. -- I. K. Fortunatov

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"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001240410004-5

K

1972

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001240410004-5"

PETROSYAN, G.P., kand.sel'skokhozyaystvennykh nauk; OVANESYAN, V.O.,
mladshiy nauchnyy sotrudnik; MIRZOYAN, A.A., mladshiy nauchnyy
sotrudnik; MANUSADZHIAN, V.G., mladshiy nauchnyy sotrudnik

Radioactivity of the surface layer of soils in some regions
of the Armenian S.S.R. Vop. radiobiol. [AN Arm. SSR] 1:225-227
'60. (MIRA 15:3)

1. Iz Sektora radiobiologii AN Armyanskoy SSR i Instituta
pochvovedeniya i agrokhimii Ministerstva sel'skogo khozyay-
stva Armyanskoy SSR.

(ARMENIA--SOILS)
(RADIOACTIVE SUBSTANCES)

PETROSYAN, G.P.; SAAKYAN, R.G.

Effect of soil salinization on carbohydrate metabolism in grape
berries. Izv. AN Arm. SSR. Biol. nauki 14 no.9:31-38 1961.
(MIL. 14:9)

1. Institut pochvovedeniya i agrokhimii Ministerstva sel'sk.
khozyaystva Armyanskoy SSR.

(ARAS LOWLAND--VITICULTURE)
(PLANTS, EFFECT OF SALTS ON) (SUGARS)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001240410004-5

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001240410004-5"

AUTHOR: ~~Petrov~~ ~~et al.~~, Engineer

TITLE: Induction heating of bearings (Induktsionnyy nagrev podshpnikov)

PERIODICAL: Vestnik Elektromyshlennosti 19 5, 51 5, p. 69-71, 1971

ABSTRACT: Anti-friction bearings are heated so that they may be shrunk on to the shafts. The heating must be uniform and the temperature accurate. Oil baths that are commonly used to heat the bearings have a number of defects and induction heating is to be preferred. When induction heating is used the main difficulty is to ensure uniform heating of the bearings. A simple type of induction heater is illustrated in fig. 1 but this did not give uniform heating of the bearings for reasons that are explained. A new type induction heater that does give uniform heating is illustrated in fig. 2. Temperature time curves for the bearings using the new induction heater are given in fig. 3. The formulae required for designing the inductor are then given. It is important that the bearing should not get too hot and a thermostat based temperature control device is used for this purpose.

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Induction Heating of Bearings

A schematic diagram of the control circuit for the induction heater is given in figure and is briefly explained. There are 4 figures.

Submitted: 20th September 1964

Card 1/c

PETROSYAN, G.S.

[Static calculation of frameworks] [Staticheski raschet
ramnykh konstruktsii. Erevan, Arm.gos.izd-vo, 1964.
259 p. [In Armenian] (MIRA 18:7)

SOV 124 58 1 1449

Translation from: Referativnyy zhurnal. Mekhanika, 1958, Nr 1, p 177 (USSR)

AUTHOR: Petrosyan, G.S

TITLE: On the Results of Some Experiments With Soft Natural rubber Vulcanizate. Nominal and Actual Time Dependence of the Strength of Soft Natural rubber Vulcanizate as a Function of the Strain Rate and the Temperature. (O rezul'tatakh nekotorykh eksperimentov nad myagkim vulkanizatom natural'nogo kauchuka. Usloviyye i deystvitel'nyye vremennyye soprotivleniya myagkogo vulkanizata natural'nogo kauchuka v zavisimosti ot skorosti deformatsii i temperatury)

PERIODICAL: Sb. nauchn. tr. Yerevansk. politekh. in-ta, 1957, Nr 14, pp 43-46

ABSTRACT: Bibliographic entry

Card 1 1

SOV 124 58 1 1448

Translation from: Referativnyi Zhurnal Mekhanika 1958 Nr 1 p 177 USSR

AUTHOR: Petrosyan G S

TITLE: On the Repeated Loading-unloading of Soft Vulcanizate Specimens of Natural Rubber (O poltornoy nagruzke razgruzke obraztsov mivagkogo vulkanizata natural'nogo kauchuka)

PERIODICAL: Sb nauchnykh Yerevansk pol tekhn 1957 Nr 14 pp 47-51

ABSTRACT: Bibliographic entry

Card 1 1

PROTS, A.I., inzh.; VOYEVODIN, G.V., inzh.; BYKOVNYY, Ya.I., inzh.;
MAVRITSYN, A.M., inzh.; PETROSYAN, G.T., inzh.; SHCHEKOLKIN, V.I.

Performance of the transformer neutral lines in strip mines.
Prom. energ. 18 no.5:32-37 My '63. (MIRA 16:6)

1. Yurkovskiy ugol'nyy razrez, g. Vatutino (for Prots).
 2. Trest po sbytu energoproduktsii Upravleniya energeticheskoy promyshlennosti sovetu narodnogo khozyaystva Permskogo ekonomicheskogo administrativnogo rayona (for Voyevodin).
 3. Upravleniye nerudnykh iskopayemykh Ministerstva avtomobil'nogo transporta i shosseynykh dorog Ukr-SSR (for Bykovnyy).
 4. Kor-
kinskiy trest ugol'nykh predpriyatiy (for Mavritsyn).
 5. Gos-
gortekhninspektsiya Armysanskoy SSR (for Petrosyan).
 6. Zhigu-
levskiy kombinat stroymaterialov (for Shchekolkin).
- (Strip mining—Electric equipment)
(Electric power distribution)

PETROSYAN, K A

1/5

102

101

PETROSYAN, K A

Die sowjetische Methode der Industrialisierung. Moskau, 1963.
213 p. TABLES.

Translation from the Russian: Sovetskij method industrializatsii. Moskau, 1961.

PETROSYAN, Kim Avetisovich; RABINOVICH, M., red.; KLIMOVA, T., tekhn.red.

[Ways for a better use of the production funds of socialist enterprises] Puti luchshego ispol'zovaniia proizvodstvennykh fondov predpriatii. Moskva, Gos.izd-vo polit.lit-ry, 1960. 29 p. (Dlia slushatelei nachal'nykh ekonomicheskikh shkol i kruzhkov na promyshlennykh predpriatiiskh, no.3)

(MIRA 14:1)

(Industrial management)

PETROSYAN, K.A., kand. ekon. nauk, red.; KALMYK, V.A., red.; YEFANOVA,
L.A., red.; PONOMAREVA, A.A., tekhn. red.

[Utilizing capital assets in U.S.S.R. industries] Ispol'zovanie
osnovnykh proizvodstvennykh fondov v promyshlennosti SSSR. Pod
red. K.A.Petrosiana. Moskva, Izd-vo ekon. lit-ry, 1962. 210 p.
(MIRA 15:3)

1. Moscow. Nauchno-issledovatel'skiy ekonomicheskiy institut.
(Capital)

1. The first part of the document is a list of the names of the persons who were present at the meeting.

2. The second part of the document is a list of the names of the persons who were present at the meeting.

3. The third part of the document is a list of the names of the persons who were present at the meeting.

PETROSYAN, Kh.A.

[Congenital dislocation of the hip] Vrozhdenyy vyvikh bedra.
Erevan, 1957: 294 p. (MIRA 14:7)
(HIP JOINT—DISLOCATION)

"APPROVED FOR RELEASE: 07/19/2001

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CIA-RDP86-00513R001240410004-5"

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001240410004-5

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001240410004-5"

PETROSYAN, K. G., Cand. of Agric. Sci. -- (diss.) "Results of Interbreeding Karabakhskiy Sheep with Rams of the Prekos and Sovetskiy Merinos in the Kolkhoz 'Avangard' Yonisskiy Rayon, Armenian SSR," Yerevan, 1964, 100 p., 1964, Zooveterinary Institute, Chair of Small Animals) (AL, 3-59, 123

PETROSYAN, V.

Specific factors influencing industrial progress in underdeveloped areas.

Report submitted to the Conf. on the Application of Science and Technology
for the Benefit of the Less Developed Areas.
Geneva, Switzerland 4-20 February 1963

PETROSYAN, K.P.

Sliding and leveling machinery. Biul.tekh.-ekon.inform. no.5:35-36
'58. (MIRA 11:7)

(Earthmoving machinery)

PETROSYAN, L.A.

Game of pursuit on a half-plane. Dokl. AN Arm. SSR 40:50,51
1965.69-1965. (MIRA 18:19)

1. Derivatskaya ordena Lenina gosudarstvennyy universitet
im. A.A. Khudanova. (Armenian Mathematician), 1965.

"APPROVED FOR RELEASE: 07/19/2001

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"APPROVED FOR RELEASE: 07/19/2001

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CIA-RDP86-00513R001240410004-5

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001240410004-5"

L 49283-65 EWT(d) IJP(c)

ACCESSION NR: AP5010153

UB/0020/65/161/002/0285/0287

AUTHOR: Petrosyan, Z. A.

TITLE: Differential games in survival with many participants

SOURCE: AN SSSR. Doklady, v. 161, no. 2, 1965, 285-287

TOPIC TAGS: game theory, convex set, equilibrium condition, survival

ABSTRACT: Some game theoretical problems occurring in models with certain convex sets S containing several elements along with pursuers $P = (P_1, P_2, \dots, P_n)$ and pursued $E_1, E_2, \dots, E_n$ are treated. The game $\Gamma(n, 1)$ is an antagonistic game of two players along with the pursuers P and the pursued E . The following theorems are proved in this paper: (1) The game $\Gamma(n, 1)$ has an equilibrium situation in pure strategy. The optimum strategy with P consists of pursuing each E from P_1 along Γ_1 -strategy. (2) Let there exist in $\Gamma(n, 1)$ circles B , belonging to S , of radius a such that (i) $\xi^1, \xi^2, \dots, \xi^n \in B$ initially, (ii) $\eta \in B$ initially, (iii) the radially projected points corresponding to the positions of the pursuers are initially in the circle B . Let these projections be designated by

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ACCESSION NR: AP5010153

$\xi_B^1, \xi_B^2, \dots, \xi_B^n$. Then the distance between two neighboring projections will be less than $\sqrt{3}$. Similar theorems are proved for games Γ^1 which differ from Γ only in the winning function. Orig. art. has 4 formulas.

ASSOCIATION: none

SUBMITTED: 05Oct64

ENCL: CO

SUB CODE: MA

NO REF BOV: COI

OTHER: COI

Card 2/2

PETROSYAN, L.G.

Separation and evaluation of reservoirs in carbonate cross sections
from data from geophysical studies of wells. Geofiz. razved.
no.9:90-102 '62. (MIRA 15:9)

(Oil well logging)

PETROSYAN, L.G.; KOLINA, Z.I.; GUZANOVA, I.G.; NICHIPORUK, V.A.

Methodology of determining the permeability of oil-bearing formations from electric logging data. Prikl. geofiz. no.33:169-175 '62. (MIRA 15:10)

(Oil well logging, Electric)
(Oil sands—Permeability)

ACCESSION NR: AP4014558

S/0173/63/016/006/0027/0033

AUTHOR: Petrosyan, L.G.

TITLE: Approximate solution of the problem of the laminar boundary layer in a plate located in the wake

SOURCE: AN ArmSSR. Izv. Ser. tekhn. nauk, v. 16, no. 6, 1963, 27-33

TOPIC TAGS: hydromechanics, turbulent flow, friction coefficient, fluid friction coefficient, hydraulics

ABSTRACT: The author considers a plane-parallel turbulent flow around a plate. The boundary layer is determined by the local velocity in the unperturbed wake. It is assumed, in the first approximations, that the velocity distribution in the wake behind the (obstructing) body does not change outside the boundary layer. In the equations for the moments in the boundary layer at the plate, the velocity distribution is given by a polynomial, the coefficients

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ACCESSION NR: AP4014558

of which are determined from the boundary conditions. The analysis of the equations shows that the friction coefficient of the plate placed in a plane parallel turbulent wake is somewhat smaller than is the main unbounded flow. Orig. art. has: 2 figures and 27 equations.

ASSOCIATION: Yerevanskiy gosudarstvennyy universitet (Erevan State University)

SUBMITTED: 05Jun62

DATE ACQ: 04Feb64

ENCL: 00

SUB CODE: PH

NO REF SOV: 001

OTHER: 001

Card 2/2

PETROSYAN, L.G.; BAYRAMOVA, R.G.

Micro Laterlog modeling. Razved. i prom. geofiz. no. 12:
77-81 '61. (MIRA 16:11)

ETROSYAN, L.G.

Cavitation crisis of the discharge. Izv.AN Arm.SSR.Ser.tekh.nauk
15 no.5:43-50 62. (MIRA 15:12)

1. Yerevanskiy gosudarstvennyy universitet.
(Cavitation)

PETROSYAN, L.G.

Moment of hydrodynamic pressure on the spillway dam. Izv. AN
Arm.SSR.Ser.tekh.nauk 15 no.3:27-32 '62. (MIRA 15:6)

1. Yerevanskiy gosudarstvennyy universitet.
(Dams) (Hydrodynamics)

FETROSYAN, L.L., kand. tekhn. nauk

Hydrodynamic pressure on a ship's hull during a collision
35-37 da 1972. (MIRA 1972)

(Hydrodynamics) (Dams)

KOMAROV, S.G.; PETROSYAN, L.G.; PER'KOV, N.A.; FEL'DMAN, I.I.;
DUNCHENKO, I.A.; KORZHEV, A.A.; SOKHRANOV, N.N.;
CHUKIN, V.T.; BASIN, Ya.N.; KARGOV, F.A.; MUKHER, A.A.;
FEDOROVA, L.N., red.; BYKOVA, V.V., tekhn. red.

[Technical instructions on conducting geophysical explorations in boreholes] Tekhnicheskaya instruktsiya po provedeniiu geofizicheskikh issledovaniy v skvazhinakh. Moskva, Gosgeoltekhizdat, 1963. 297 p. MIRA 17:2)

1. Russia (1963- U.S.S.R.) Gosudarstvennyy geologicheskii komitet. No. 2. Kollektiv rabotnikov sektora promyslovoy geofiziki Vsesoyuznogo nauchno-i sledovatel'skogo instituta geofizicheskikh metodov razvedki (for Komarov, Petrosyan, Per'kov, Fel'dman, Dunchenko, Korzhev, Sokhranov, Chukin, Basin). 3. So-trudniki Otdela geofiziki Gosudarstvennogo geologicheskogo komiteta SSSR (for Kargov). 4. Glavnoye upravleniye geologii i okhrany neдр pri Sovete Ministrov RSFSR (for Mukher).

PETROSYAN, L.G.

Solution of the boundary layer equation. Izv. Akad. Nauk. Ser. Fiz.-
mat. nauk 18 no.5:91-98 '63. (MIRA 16:11)

1. Yerevanskij gosudarstvennyy universitet.

PETROSYAN, L.G.

Approximate solution of the problem of a laminary boundary layer
on a plate in a wake. Izv. AN Arm. SSR. Ser. tech. nauk 1971
no.6:27-33. 1971. MIPA 17:1

1. Yerevanskiy gosudarstvennyy universitet.

PETROSYAN, L.G.

~~Field distortions in lateral logging with a single-core cable.~~
Prikl. geofiz. no.20:215-220 '58. (MIRA 11:11)
(Oil well logging, Electric)

PETROSYAN, L.G.

Laterolog. Trudy Azerb. ind. inst. no.17:58-82 '57. (MIRA 11:9)
(Oil well logging, Electric)

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SOV/5681

Machine tool technology and machinery.

Vysokaya tekhnika i nauka (Highly Technical Science) (Collection of Articles) Moscow, 1964, No. 1, p. 1. Inserted. 10,000 copies.

Spetsializatsiya i razvitiye mashinostroyeniya i politicheskikh i nauko- i tekhnicheskoy promyshlennosti (Specialization and Development of Machine Building and Political and Scientific and Technical Industry).

El. (Title page). V. V. Rzhavinskiy, Candidate of Technical Sciences, ed. of Collection of Articles: I. I. Iosadchenko; Tech. Sci. P. I. Pechenkin, Candidate of Literature on Gold Industry of Metals and Machine-Tool Making: V. V. Rzhavinskiy, Engineer.

PD. This collection of articles is intended for technical personnel of machine, instrument, and tool plants.

Card 1/6